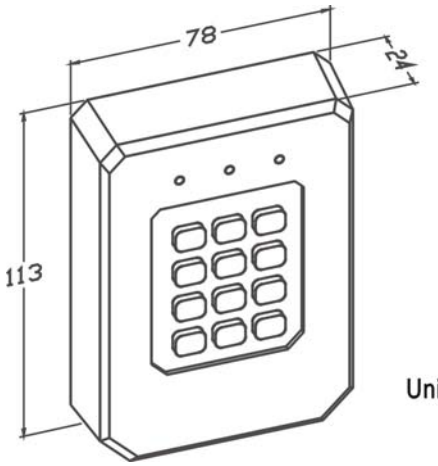
GEM® GIANNI INDUSTRIES, INC.

DG-700 Stand alone Access Controller
Operation User's Manual

Specifications:

- Input: Request-to-exit
- Relay Electric Current: 3A MAX@30Vdc / 3A@120Vac
- Operating Voltage: 10~15VDC
- Operating Temperature: -5~60℃
- Memory Volume: 65000 Proximity cards
- Keyboard: 12 digits keypad (0,9,*,#)
- Waterproof Design: Waterproof Type Key Pads
- Transmitting Frequency: 125K
- Visual Signals: LED (RED, BLUE AND GREEN)
- Relocking timer: 1~255 Seconds
- Read Range: Up to 10 cm (Depending on local installation conditions)
- Size: 110(H)x76(W)x23.5(D)mm
- Ambient Humidity: 5%~95%



Master Card Function

- First set a master card. These cards can then be used to enter programming mode directly.

Sound and LED indicator:

Mode	Signal	Condition
Setting	Blue LED+Bi once	Setting Successful
	Red LED+Bi twice	Fail
	Blue LED Flash every 0.1 sec.	In Security Setup Mode
	Blue LED Flash every 0.5 sec.	All cleared, Normal Operation Mode
	Blue LED Flash every 2 sec.	In Data Processing Mode
	Red LED(Flashing)	Start Alarm Function
	Red LED+Blue LED(Flashing)	Press *99 (5 Beeps), cancel Alarm
	If not set within 30 seconds it automatically exit the setting mode	
Standby Mode	Blue LED	Power on, Stand-by
	Red LED	Operation mistake
	Green LED	Valid Access

Default Settings

Access Mode	Read Card only
Card register	None
Master Codes	123456
Alarm function	Defeat able (000)
Relocking timer	3 seconds
Setting mode delay time	30 seconds

WIRING

Connector - 6P Color Coding			
Wire	Color	Wire Application	Description
1	Pink	LED	LED Red output 5V/20ma,Max
2	Blue		LED Blue output 5V/20ma,Max
3	Gray	Beeper	Beeper output 5V/50ma,Max
4	Yellow	Wiegand	Wiegand D0 input
5	Orange		Wiegand D1 input

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Connector-8P Color Coding			
Wire	Color	Wire Application	Description
1	Purple	Door Relay	(N.O.) DC24V1Amp
2	Green		(N.C.) DC24V1Amp
3	White		(COM.) DC24V1Amp
4	Pink	Door Sensor	Negative Trigger input
5	Brown	Exit switch	Negative Trigger input
6	Gray	Alarm Output	Transistor output (open Collector Active Low) Max 12v/100ma
7	Black	Power	DC Power 0 V
8	Red		DC Power 12 V

Connector - 3P Color Coding			
Wire	Color	Wire Application	Description
1	Green	Tamper Switch	N.O.
2	White		COM.
3	Purple		N.C.

Enter Programming

Press ∗123456 # (Default Master Code 123456). The blue LED will now flash rapidly (You are now in programming Mode)

Changing The Master Code

Show Master Card
Enter 01∗?????? + ?????? # ?????? = New master code which is entered twice
Show master to exit programming.

Set & Add Master Tokens

Enter programming mode
Enter 25 ∗ N # (N= Number of master cards required 1 or 2.) → Show proximity device to register master cards.→ One long beep followed by a short beep confirms registration.

Exit Programming

Press ∗ # (you have now exited programming mode). You can now enter programming mode by just using the master cards. Show master card (You are now in programming, blue LED flashing rapidly)

Adding User Cards / Tokens

Show Master Card→ Show card to be added→ Show next card to be added→ Show Master to exit programming.

Deleting User Cards / Tokens

Show Master Card→ Show card to be deleted→ Show next card to be deleted→ Show Master to exit programming.
To delete a non-present card you require the optional TAG SIMULATOR unit.

Adjusting The Lock Relay Time

Show Master Card
Enter 03∗ ??? # (??? = Number of seconds required 001 =1 sec. Max 255=255 sec.)
By entering 000 the lock timer will set to toggle. Toggle = show a user card relay opens, and stays open until another. user card is shown. Show master to exit programming.

Deleting All User Cards / Tokens

Show Master Card→ Enter 15∗ 99 #→ Show Master to exit programming.

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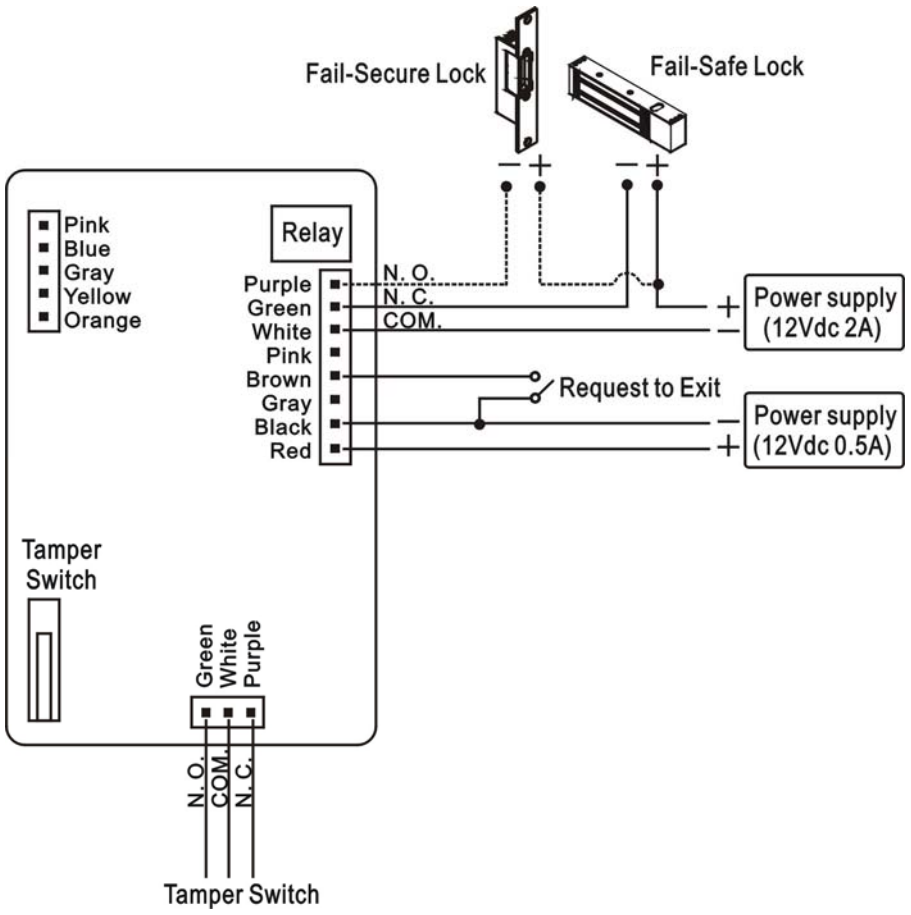

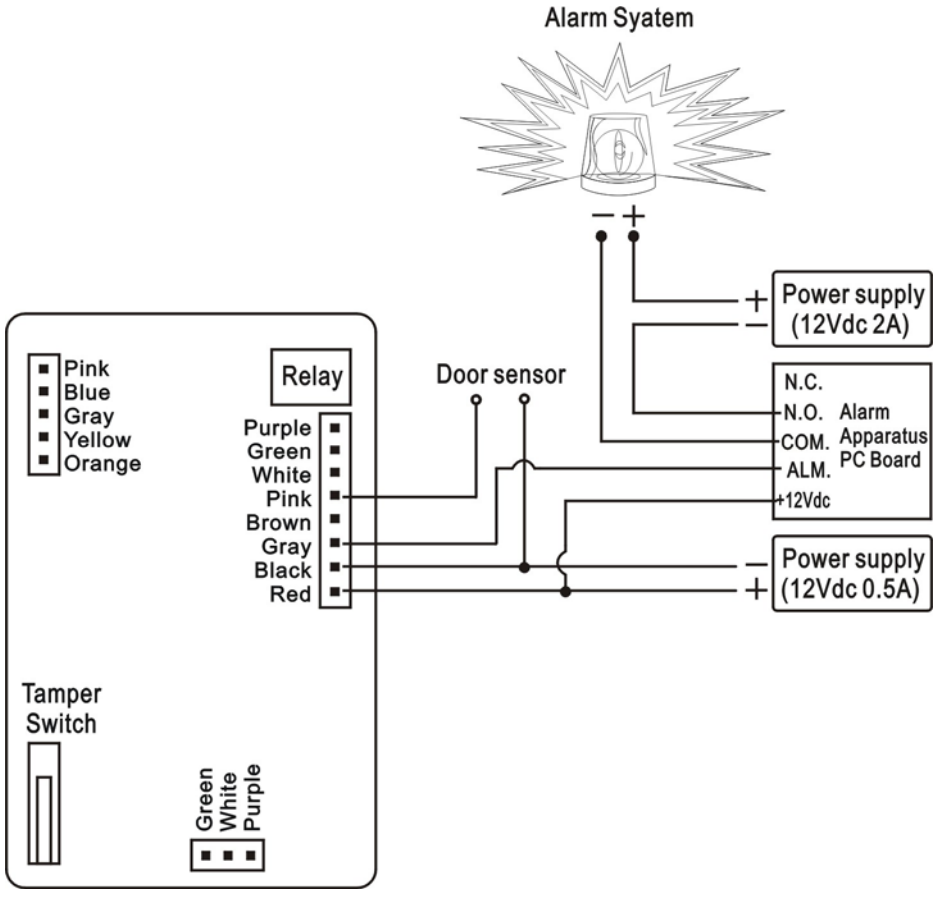

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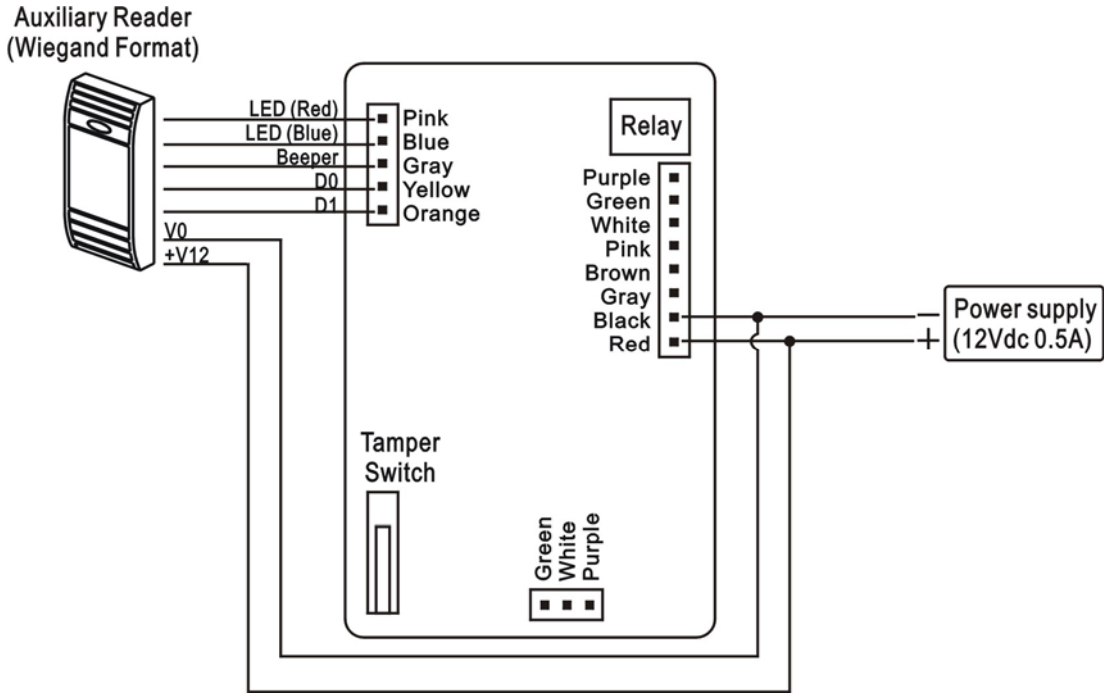

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